

Author Index to Volume 68, 1999

- Afonina, G.B., see Zdorovenko, G.M.
 Akimenko, V.K., see Medentsev, A.G.
 Alekseev, A.A., see Feofilova, E.P.
 Antipova, T.V., see Kozlovskii, A.G.
 Arzumanyan, V.G., see Plakunov, V.K.
 Astapovitch, N.I., see Safonova, M.E.
 Avakyan, Z.A., see Grigor'eva, N.V.
 Avakyan, Z.A.[†], see Korenevskii, A.A.
 Aver'yanov, A.A., see Il'inskaya, L.I.
- Babitskaya, V.G. and Shcherba, V.V., Phenolic Compounds Produced by Some Basidiomycetous Fungi, no. 1, pp. 58–62.
 Badyautdinov, D.N., see Filippova, S.N.
 Bannikova, O.M., see Saralov, A.I.
 Baskunov, B.P., see Finkel'shtein, Z.I.
 Baskunov, B.P., see Moiseeva, O.V.
 Baulina, O.I., see Gorelova, O.A.
 Baulina, O.I., see Korzhenevskaya, T.G.
 Bekasova, O.D., Orleanskii, V.K., and Nikandrov, V.V., Accumulation of Cadmium, Titanium, and Aluminum by the Cyanobacterium *Nostoc muscorum*, no. 6, pp. 751–758.
 Bel'kova, N.L., see Denisova, L.Ya.
 Belimov, A.A., Ivanchikov, A.Yu., Yudkin, L.V., Khamova, O.F., Postavskaya, S.M., Popolzhukhina, P.V., Shmakova, A.A., and Kozlova, G.Ya., New Strains of Associative Growth-stimulating Bacteria Dominating the Rhizoplane of Barley Seedlings: Characterization and Introduction, no. 3, pp. 337–342.
 Belimov, A.A., Serebrennikova, N.V., and Stepanok, V.V., Interaction of Associative Bacteria and an Endomycorrhizal Fungus with Barley upon Dual Inoculation, no. 1, pp. 104–108.
 Belozerskii, M.A., see Dunaevskii, Ya.E.
 Belyaev, S.S., see Nazina, T.N.
 Belyaev, S.S., see Plakunov, V.K.
 Belyaev, S.S., see Surovtseva, E.G.
 Belyakova, G.A., see Dunaevskii, Ya.E.
 Berestovskaya, Yu.Yu., see Pusheva, M.A.
 Bonch-Osmolovskaya, E.A., Miroshnichenko, M.L., Slobodkin, A.I., Sokolova, T.G., Karpov, G.A., Kostrikina, N.A., Zavarzina, D.G., Prokof'eva, M.I., Rusanov, I.I., and Pimenov, N.V., Biodiversity of Anaerobic Lithotrophic Prokaryotes in Terrestrial Hot Springs of Kamchatka, no. 3, pp. 343–351.
 Bonch-Osmolovskaya, E.A., see Slobodkin, A.I.
 Boronin, A.M., Academician Georgii Konstantinovich Skryabin (1917–1989), no. 6, pp. 712–717.
 Boronin, A.M., see Kozlova, E.V.
 Boronin, A.M., see Naumov, A.V.
 Buryako, I.A., see Safonova, M.E.
- Bykova, S.A., see Zvyagintseva, I.S.
- Chalenko, G.I., see Il'inskaya, L.I.
 Chernaya, N.A., see Romanovskaya, V.A.
 Chernov, I.Yu., see Zvyagintsev, D.G.
 Chikin, S.M., see Saralov, A.I.
 Chumakov, M.I., see Solovova, G.K.
 Colwell, R.R., see Markelova, N.Yu.
- Danilenko, V.N., see Filippova, S.N.
 Danilov, V.S., see Mazhul', M.M.
 de Hoog, G.S., see Naumov, G.I.
 Debabov, V.G., Microbial Metabolic Engineering, no. 6, pp. 724–734.
 Dedyukhina, E.G., see Eroshin, V.K.
 Demina, G.R., see Lysak, E.I.
 Denisova, L.Ya., Bel'kova, N.L., Tulokhonov, I.I., and Zaichikov, E.F., Bacterial Diversity at Various Depths in the Southern Part of Lake Baikal as Revealed by 16S rDNA Sequencing, no. 4, pp. 475–483.
 Detkova, E.N., see Pusheva, M.A.
 Dimitriev, S.M., see Dimitrieva, G.Yu.
 Dimitrieva, G.Yu., Khristoforova, N.K., Drozdovskaya, O.A., Tyuveleva, E.E., Dimitriev, S.M., and Shevchenko, L.S., Phenol Detoxication by Microorganisms of the Sea Coastal Zone, no. 1, pp. 91–96.
 Dmitriev, V.V., see Duda, V.I.
 Dmitriev, V.V., see Egorov, S.Yu.
 Dol'nikova, G.A., see Korzhenevskaya, T.G.
 Doronina, N.V., see Korotkova, N.A.
 Drozdovskaya, O.A., see Dimitrieva, G.Yu.
 Dubinin, A.V., see Gerasimenko, L.M.
 Duda, V.I., Lebedinskii, A.V., Dmitriev, V.V., Suzina, N.E., Shorokhova, A.P., and Mityushina, L.L., Formation of Extracellular Gas Balloons in Colonies of Some Gram-Negative Bacteria, no. 1, pp. 69–76.
 Duda, V.I., see Kozlova, E.V.
 Duda, V.I., see Suzina, N.E.
 Dunaevskii, Ya.E., Gruban', T.N., Belyakova, G.A., and Belozerskii, M.A., Effect of the Medium Composition on the Quantitative and Qualitative Composition of Extracellular Proteases of Micromycetes, no. 3, pp. 276–280.
 Dzyuban, A.N., Bacterioplankton in the Lower Amur River, no. 4, pp. 484–490.
- Egorov, N.S., Academician Vladimir Nikolaevich Shaposhnikov (1884–1968), no. 6, pp. 661–665.
 Egorov, N.S., see Stoyanova, L.G.
 Egorov, S.Yu., Ulakhovich, S.V., Dmitriev, V.V., Kupriyanova-Ashina, F.G., and Leshchinskaya, I.B., Effect of the RNase from *Bacillus intermedius* on Growth and

- Physiological Characteristics of *Escherichia coli*, no. 1, pp. 42–45.
- Ental'tseva, L.A.**, see Rozanova, E.P.
- Erokhina, L.G., Spirina, E.V., and Gilichinskii, D.A.**, Accumulation of Phycobiliproteins in Cells of Ancient Cyanobacteria from Arctic Permafrost as Dependent on the Nitrogen Source for Growth, no. 5, pp. 628–631.
- Eroshin, V.K., Dedyukhina, E.G., Vagabov, V.M., and Kulaev, I.S.**, Effect of the Conditions of *Trichosporon pullulans* Growth on the Production of a Glycoprotein with Immunomodulating Activity, no. 2, pp. 128–131.
- Evtushenkov, V.P.**, see Feofilova, E.P.
- Fedorov, A.S., Laurinavichene, T.B., and Tsygankov, A.A.**, Factors Influencing Nitrogenase Switch-off by Ammonium in the Purple Bacterium *Rhodobacter capsulatus*, no. 4, pp. 379–386.
- Fegeding, K.V.**, see Tourova, T.P.
- Feofilova, E.P., Tereshina, V.M., Memorskaya, A.S., Alekseev, A.A., Evtushenkov, V.P., and Ivanovskii, A.G.**, A New Field of Biotechnology: Polyaminosaccharide-based Wound-healing Preparations, no. 6, pp. 735–738.
- Feofilova, E.P., Tereshina, V.M., Memorskaya, A.S., Zav'yalova, L.A., and Maryshova, N.S.**, Changes in the Cytosol Carbohydrate Composition during the Cytodifferentiation Process in Fungi of the Order Agaricales, no. 3, pp. 304–309.
- Filippova, S.N., Kuznetsov, V.D., Badyautdinov, D.N., Ryskov, A.P., Vasil'ev, V.A., and Danilenko, V.N.**, Analysis of Spontaneous Morphological Variants within the Population of *Streptomyces oligocarboxophilus* ISP 5589, no. 3, pp. 321–327.
- Finkel'shtein, Z.I., Baskunov, B.P., Golovlev, E.L., and Golovleva, L.A.**, Desulfurization of 4,6-Dimethyldibenzothiophene and Dibenzothiophene by *Gordonia aichiensis* 51, no. 2, pp. 154–157.
- Frank, L.A.**, see Stasishina, G.N.
- Funtikova, N.S., Mysyakina, I.S., and Poglazova, M.N.**, Morphogenesis and Lipid Composition of *Mucor* Fungi Grown in the Presence of Chloroanilines in Submerged Culture, no. 4, pp. 406–411.
- Gal'chenko, V.F.**, see Zvyagintseva, I.S.
- Galanina, L.A. and Konova, I.V.**, Synthesis of Eicosapolyenoic Acids in Microscopic Fungi of the Genus *Saprolegnia*, no. 4, pp. 418–422.
- Galanina, L.A., Solov'eva, N.L., and Konova, I.V.**, Synthesis of Eicosapolyenoic Acids in *Pythium debaryanum* Grown in Various Media, no. 4, pp. 412–417.
- Garagulya, A.D.**, see Kurdish, I.K.
- Garnova, E.S.**, see Tourova, T.P.
- Gavryushkin, A.V.**, see Ivanov, A.Yu.
- Gerasimenko, L.M., Dubinin, A.V., Mityushina, L.L., and Zavarzin, G.A.**, A Microscopic Green Alga from Soda Lakes, no. 5, pp. 610–614.
- Gerasimenko, L.M.**, see Zhmur, S.I.
- Gilichinskii, D.A.**, see Erokhina, L.G.
- Golovlev, E.L.**, Academician Nikolai Dmitrievich Ierusalimskii (1901–1967), no. 6, pp. 704–711.
- Golovlev, E.L.**, An Introduction to the Biology of the Stationary-Phase of Bacteria: The Mechanism of the Common Response to Stresses, no. 5, pp. 543–550.
- Golovlev, E.L.**, see Finkel'shtein, Z.I.
- Golovleva, L.A.**, see Finkel'shtein, Z.I.
- Golovleva, L.A.**, see Moiseeva, O.V.
- Gorelova, O.A., Baulina, O.I., and Korzhenevskaya, T.G.**, Peculiarities of Cell Division in *Nostoc muscorum* CALU 304 in Monoculture and Associations with Plant Tissues, no. 4, pp. 460–464.
- Gorelova, O.A.**, see Korzhenevskaya, T.G.
- Gorlenko, V.M., Namsaraev, B.B., Kulyrova, A.V., Zavarzina, D.G., and Zhilina, T.N.**, The Activity of Sulfate-reducing Bacteria in Bottom Sediments of Soda Lakes of the Southeastern Transbaikal Region, no. 5, pp. 580–585.
- Gorlenko, V.M.**, see Namsaraev, B.B.
- Gorlenko, V.M.**, see Zhmur, S.I.
- Grabovich, M.Yu.**, see Sorokin, D.Yu.
- Grigor'eva, N.V., Avakyan, Z.A.[†], Tourova, T.P., Kondrat'eva, T.F., and Karavaiko, G.I.**, The Search for and Study of Microorganisms That Degrade Cyanides and Thiocyanates, no. 4, pp. 393–399.
- Grits, N.V.**, see Sokol'chik, T.I.
- Grodnitskaya, I.D. and Gukasyan, A.B.**, Bacterial Diseases of Conifer Seedlings in Forest Nurseries of Central Siberia, no. 2, pp. 189–193.
- Gruban', T.N.**, see Dunaevskii, Ya.E.
- Gryadunov, D.A.**, see Nazina, T.N.
- Gubanova, N.Ya.**, see Zdorovenko, G.M.
- Gukasyan, A.B.**, see Grodnitskaya, I.D.
- Guseinov, O.A.**, see Stasishina, G.N.
- Gusev, M.V.**, see Korzhenevskaya, T.G.
- Gvosdyak, R.I.**, see Zdorovenko, G.M.
- Ibatullin, R.R.**, see Nazina, T.N.
- Ignatov, V.V.**, see Konnova, S.A.
- Il'inskaya, L.I., Chalenko, G.I., Ozeretskovskaya, O.L., and Aver'yanov, A.A.**, Induction of Superoxide Radical and Peroxidase in a Potato-*Phytophthora infestans* System by Arachidonic Acid, no. 2, pp. 183–188.
- Il'inykh, I.A.**, see Maksimov, V.N.
- Ivanchikov, A.Yu.**, see Belimov, A.A.
- Ivanov, A.Yu., Gavryushkin, A.V., Siunova, T.V., Khasanova, L.A., and Khasanova, Z.M.**, Investigation of Heavy Metal Resistance of Some *Pseudomonas* Strains, no. 3, pp. 313–320.
- Ivanov, M.V.**, Academician Boris Lavrent'evich Issatchenko (1871–1948), no. 6, pp. 650–660.
- Ivanov, M.V.**, Preface, no. 6, p. 633.
- Ivanov, M.V.**, see Nazina, T.N.
- Ivanov, V.N. and Stabnikova, E.V.**, Use of Data on the DNA G+C Content in Studies of Molecular Phylogeny of Methanogenic Archaeobacteria, no. 5, pp. 623–627.
- Ivanova, A.E.**, see Nazina, T.N.
- Ivanovskii, A.G.**, see Feofilova, E.P.
- Ivanovskii, R.N.**, Academician Elena Nikolaevna Kondrat'eva (1925–1995), no. 6, pp. 718–723.
- Ivanovskii, R.N.**, see Kurakov, A.V.

- Ivanushkina, N.E., see Kozlovskii, A.G.
 Ivoilov, V.S., see Nazina, T.N.
 Ivoilov, V.S., see Surovtseva, E.G.
- Kalacheva, G.S., see Stasishina, G.N.
 Kalacheva, G.S., see Volova, T.G.
 Kalaptur, O.V., see Solovova, G.K.
 Kalinina, K.V., Kozhev, P.A., and Zvyagintsev, D.G., Growth Schedule Analysis of Soil Bacilli Colonies, no. 2, pp. 194–196.
 Kalyuzhnaya, M.G., Khmelenina, V.N., Suzina, N.E., Lysenko, A.M., and Trotsenko, Yu.A., New Methanotrophic Isolates from Soda Lakes of the Southern Transbaikalian Region, no. 5, pp. 592–600.
 Kandaurova, G.F., see Nazina, T.N.
 Karavaiko, G.I., Corresponding Member Sergei Ivanovich Kuznetsov (1900–1987), no. 6, pp. 674–683.
 Karavaiko, G.I., see Grigor'eva, N.V.
 Karavaiko, G.I., see Kondrat'eva, T.F.
 Karavaiko, G.I., see Korenevskii, A.A.
 Karavaiko, G.I., see Suzina, N.E.
 Karpov, A.V., see Kozlova, E.V.
 Karpov, G.A., see Bonch-Osmolovskaya, E.A.
 Karpunina, L.V., Mel'nikova, U.Yu., Soboleva, E.F., Vishnevetskaya, O.A., and Nikitina, V.E., Investigation of the Adhesive Properties of *Bacillus polymyxa* Cells: The Role of Bacillar Lectins, no. 4, pp. 387–389.
 Karpushina, S.G., see Lysenko, A.M.
 Kazakevich, I.O., see Sapunova, L.I.
 Kevbrin, V.V., see Zavarzin, G.A.
 Kevbrin, V.V., Zhilina, T.N., and Zavarzin, G.A., Decomposition of Cellulose by the Anaerobic Alkaliphilic Microbial Community, no. 5, pp. 601–609.
 Khamidova, Kh., see Korenevskii, A.A.
 Khamova, O.F., see Belimov, A.A.
 Khasanova, L.A., see Ivanov, A.Yu.
 Khasanova, Z.M., see Ivanov, A.Yu.
 Khmelenina, V.N., see Kalyuzhnaya, M.G.
 Khristoforova, N.K., see Dimitrieva, G.Yu.
 Kiprianova, E.A., see Kurdish, I.K.
 Kolpakov, A.I., see Kupriyanova-Ashina, F.G.
 Kondrat'eva, T.F., Pivovarova, T.A., and Karavaiko, G.I., Peculiarities in the Chromosomal DNA Structure in *Acidianus brierleyi* and *Ferriplasma acidophilum* Grown under Varied Conditions, no. 4, pp. 443–447.
 Kondrat'eva, T.F., see Grigor'eva, N.V.
 Konnova, S.A., Rogova, T.A., Makarov, O.E., Skvortsov, I.M., and Ignatov, V.V., Extracellular Polysaccharide-containing Complexes and Polysaccharides from the Bacterium *Azospirillum brasilense* Cd, no. 2, pp. 132–138.
 Konova, I.V., see Galanina, L.A.
 Korenevskii, A.A., Khamidova, Kh., Avakyan, Z.A., and Karavaiko, G.I., Silver Biosorption by Micromycetes, no. 2, pp. 139–145.
 Koroleva, I.F., see Zalashko, M.V.
 Korotkova, N.A., Doronina, N.V., and Trotsenko, Yu.A., Biosynthesis of the Copolymer of 3-Hydroxybutyrate and 3-Hydroxyvalerate in *Methylobacterium extorquens*: Metabolism of Propanol, Propionate, Pentanol, and Valerate, no. 3, pp. 296–303.
 Korzhenevskaya, T.G., Gorelova, O.A., Baulina, O.I., and Gusev, M.V., Accumulation of Reserve Polymers by *Nostoc muscorum* CALU 304 Cells Grown in Mixed Culture with Plant Tissue, no. 2, pp. 158–163.
 Korzhenevskaya, T.G., Lobakova, E.S., Dol'nikova, G.A., and Gusev, M.V., Topography of Microsymbionts in Apogeotropic Roots of the Cycads *Cycas revoluta* Thunb. and *Encephalartos horridus* (Jacq.) Lehm, no. 4, pp. 437–442.
 Korzhenevskaya, T.G., see Gorelova, O.A.
 Kostrikina, N.A., see Bonch-Osmolovskaya, E.A.
 Kostrikina, N.A., see Zhilina, T.N.
 Kozhev, P.A., see Kalinina, K.V.
 Kozlova, E.V., Suzina, N.E., Karpov, A.V., Duda, V.I., and Boronin, A.M., Effect of Arsenite on the Physiological and Cytological Properties of *Pseudomonas putida* Strains Capable of Degrading Polycyclic Aromatic Hydrocarbons, no. 2, pp. 146–153.
 Kozlova, G.A., see Saralov, A.I.
 Kozlova, G.Ya., see Belimov, A.A.
 Kozlovskii, A.G., Zhelifonova, V.P., Vinokurova, N.G., Antipova, T.V., and Ivanushkina, N.E., Biodegradation of Poly- β -Hydroxybutyrate by Microscopic Fungi, no. 3, pp. 290–295.
 Krasil'nikova, E.N., see Mil'ko, E.S.
 Kravchenko, I.K., Influence of Nitrogen Compounds on Methane Oxidation in a Raised Sphagnum Bog in West Siberia, no. 2, pp. 209–213.
 Kravchenko, I.K., The Inhibiting Effect of Ammonium on the Activity of the Methanotrophic Microbial Community of a Raised Sphagnum Bog in West Siberia, no. 2, pp. 203–208.
 Krishtab, T.P., see Romanovskaya, V.A.
 Kulaev, I.S., see Eroshin, V.K.
 Kulyrova, A.V., see Gorlenko, V.M.
 Kulyrova, A.V., see Namsaraev, B.B.
 Kupriyanova-Ashina, F.G. and Kolpakov, A.I., Effect of the RNase from *Bacillus intermedius* on the Trophic Organization of the Mitotic Cycle of *Candida utilis*, no. 2, pp. 124–127.
 Kupriyanova-Ashina, F.G., see Egorov, S.Yu.
 Kurakov, A.V., Somova, N.G., and Ivanovskii, R.N., Micromycetes Populating Limestone and Red Brick Surfaces of the Novodevichii Convent Masonry, no. 2, pp. 232–241.
 Kurdish, I.K., Roi, A.A., Garagulya, A.D., and Kiprianova, E.A., Survival and Antagonistic Activity of *Pseudomonas aureofaciens* UKM B-111 Stored in Fine Materials, no. 3, pp. 332–336.
 Kuznetsov, B.B., see Zhilina, T.N.
 Kuznetsov, V.D., see Filippova, S.N.
- Laurinavichene, T.B., see Fedorov, A.S.
 Lavlinskii, D.Yu., see Tarakanov, B.V.
 Lebedev, V.S., see Nozhevnikova, A.N.
 Lebedinskii, A.V., see Duda, V.I.
 Leont'ev, V.N., see Sokol'chik, T.I.

- Leshchinskaya, I.B., see Egorov, S.Yu.
 Leshchinskaya, I.B., see Znamenskaya, L.V.
 Lin'ko, E.V., see Moiseeva, O.V.
 Lindblad, P., see Serebryakova, L.T.
 Lobakova, E.S., see Korzhenevskaya, T.G.
 Lobanok, A.G., see Sapunova, L.I.
 Lotareva, O.V. and Prozorov, A.A., Transfer of a Cryptic Plasmid between *Bacillus subtilis* Cells by Spontaneous Transformation, no. 4, pp. 491-492.
 Lysak, E.I., Demina, G.R., Matveeva, E.V., Ogrel', O.D., Trutko, S.M., and Ostrovskii, D.N., Biosynthesis of 2-C-Methyl-D-Erythritol-2,4-Cyclopyrophosphate in Bacteria, no. 1, pp. 1-9.
 Lysenko, A.M., Karpushina, S.G., and Sukhodolets, V.V., Divergence of *Streptococcus thermophilus* Strains Determined by DNA-DNA Hybridization, no. 4, pp. 448-451.
 Lysenko, A.M., see Kalyuzhnaya, M.G.
 Lysenko, A.M., see Zhilina, T.N.
 Makarov, O.E., see Konnova, S.A.
 Maksimov, V.N., Mil'ko, E.S., and Il'nykh, I.A., Effect of Carbon, Nitrogen, and Phosphorus Nutrition on the R, S, and M Dissociants of *Pseudomonas aeruginosa* Grown in Mixed Cultures, no. 4, pp. 423-428.
 Maksimov, V.N., Mil'ko, E.S., and Il'nykh, I.A., Effect of Carbon, Nitrogen, and Phosphorus Sources on the Growth of R, S, and M Dissociants of *Pseudomonas aeruginosa*, no. 2, pp. 171-174.
 Malashenko, Yu.R., see Romanovskaya, V.A.
 Markelova, N.Yu. and Colwell, R.R., Two-Component Bacterial Predator-Prey System Immobilized on the Surface of a Transparent Plastic Substrate Is a Promising Model for Investigation of the Role of Bacterial Predators in Ecosystems, no. 3, pp. 328-331.
 Maryshova, N.S., see Feofilova, E.P.
 Matveeva, E.V., see Lysak, E.I.
 Mazhul', M.M., Zavi'l'gel'skii, G.B., Zarubina, A.P., Yudina, T.P., and Danilov, V.S., *Escherichia coli* FMN Reductase and Its Effect on the Activity of Luciferase from the Marine Bacterium *Vibrio fischeri*, no. 2, pp. 119-123.
 Medentsev, A.G. and Akimenko, V.K., Inhibition of Electron Transfer via the Respiratory Chain of Fungal Mitochondria by Secondary Plant Metabolites, no. 1, pp. 10-13.
 Medvedeva, S.E., see Stasishina, G.N.
 Mel'nikova, U.Yu., see Karpunina, L.V.
 Memorskaya, A.S., see Feofilova, E.P.
 Mendzhul, M.I., see Sukhanov, S.N.
 Mil'ko, E.S. and Krasil'nikova, E.N., Peculiarities of Carbohydrate Metabolism of R, S, and M Dissociants of *Pseudomonas aeruginosa*, no. 2, pp. 175-178.
 Mil'ko, E.S., see Maksimov, V.N.
 Miller, Yu.M., see Nazina, T.N.
 Miroshnichenko, M.L., see Bonch-Osmolovskaya, E.A.
 Mityushina, L.L., see Duda, V.I.
 Mityushina, L.L., see Gerasimenko, L.M.
 Mogil'naya, O.A., see Stasishina, G.N.
 Moiseeva, O.V., Lin'ko, E.V., Baskunov, B.P., and Golovleva, L.A., Degradation of 2-Chlorophenol and 3-Chlorobenzoate by *Rhodococcus opacus* 1cp, no. 4, pp. 400-405.
 Mysyakina, I.S., see Funtikova, N.S.
 Namsaraev, B.B., see Gorlenko, V.M.
 Namsaraev, B.B., Zhilina, T.N., Kulyrova, A.V., and Gorlenko, V.M., Bacterial Methanogenesis in Soda Lakes of the Southeastern Transbaikalian Region, no. 5, pp. 586-591.
 Naumov, A.V., Suvorova, E.S., Boronin, A.M., Zaripova, S.K., and Naumova, R.P., Transformation of 2,4,6-Trinitrotoluene into Toxic Hydroxylamino Derivatives by *Lactobacilli*, no. 1, pp. 46-51.
 Naumov, G.I. and Piškur, J., Pheromone Activity of Collection Strains of *Saccharomyces* Ssensu Lato Yeasts, no. 6, pp. 759-762.
 Naumov, G.I., Smith, M.T., and de Hoog, G.S., Genetic Interpretation of Speciation and Life Cycle in *Galactomyces* Fungi, no. 3, pp. 362-364.
 Naumova, R.P., see Naumov, A.V.
 Nazina, T.N., Ivanova, A.E., Ivoilov, V.S., Kandaurova, G.F., Ibatullin, R.R., Belyaev, S.S., and Ivanov, M.V., Microbiological Investigation of the Stratal Waters of the Romashkinskoe Oil Field in the Course of a Trial of a Biotechnology for the Enhancement of Oil Recovery, no. 2, pp. 214-221.
 Nazina, T.N., Ivanova, A.E., Ivoilov, V.S., Miller, Yu.M., Kandaurova, G.F., Ibatullin, R.R., Belyaev, S.S., and Ivanov, M.V., Results of the Trial of the Microbiological Method for the Enhancement of Oil Recovery at the Carbonate Collector of the Romashkinskoe Oil Field: Biogeochemical and Productional Characteristics, no. 2, pp. 222-226.
 Nazina, T.N., Turova, T.P., Poltaraus, A.B., Gryadunov, D.A., Ivanova, A.E., Osipov, G.A., and Belyaev, S.S., Phylogenetic Position and Chemotaxonomic Characteristics of the Thermophilic Sulfate-reducing Bacterium *Desulfotomaculum kuznetsovii*, no. 1, pp. 77-84.
 Nekrasova, V.K., see Nozhevnikova, A.N.
 Nesterova, L.Yu., see Tkachenko, A.G.
 Netrusov, A.I., see Pusheva, M.A.
 Nikandrov, V.V., see Bekasova, O.D.
 Nikitin, D.I., Academician Vasilii Leonidovich Omelyanski (1867-1928), no. 6, pp. 641-644.
 Nikitina, V.E., see Karpunina, L.V.
 Nikolaev, Yu.A. and Voronina, N.A., Cross-Action of Extracellular Stress Adaptation Factors in Microorganisms, no. 1, pp. 37-41.
 Nozhevnikova, A.N., Nekrasova, V.K., and Lebedev, V.S., Low-Temperature Production and Oxidation of Methane by the Microflora of Sludge Checks, no. 2, pp. 227-231.
 Ogrel', O.D., see Lysak, E.I.
 Omel'chenko, M.V., see Tourova, T.P.
 Orazova, M.Kh., Polyanskaya, L.M., and Zvyagin-tsev, D.G., The Structure of the Microbial Community in the Barley Root Zone, no. 1, pp. 109-115.
 Orleanskii, V.K., see Bekasova, O.D.
 Osipov, G.A., see Nazina, T.N.

- Ostrovskii, D.N., see Lysak, E.I.
 Ozeretskovskaya, O.L., see Il'inskaya, L.I.
- Parakhnya, E.V., see Sapunova, L.I.
 Pimenov, N.V., see Bonch-Osmolovskaya, E.A.
 Piškur, J., see Naumov, G.I.
 Pitryuk, A.V., see Pusheva, M.A.
 Pivovarova, T.A., see Kondrat'eva, T.F.
 Plakunov, V.K., Arzumanyan, V.G., Voronina, N.A., and Belyaev, S.S., Relationship between Growth and Respiration Rates in Rhodococci Grown at High Salt Concentrations, no. 1, pp. 32–36.
 Plotnikov, V.F., see Stasishina, G.N.
 Poglazova, M.N., Corresponding Member Maksim Nikolavich Meisel' (1901–1987), no. 6, pp. 696–703.
 Poglazova, M.N., see Funtikova, N.S.
 Poltareus, A.B., see Nazina, T.N.
 Polyanskaya, L.M., see Orazova, M.Kh.
 Popolzhukhina, P.V., see Belimov, A.A.
 Postavskaya, S.M., see Belimov, A.A.
 Prokof'eva, M.I., see Bonch-Osmolovskaya, E.A.
 Prozorov, A.A., Horizontal Gene Transfer in Bacteria: Laboratory Modeling, Natural Populations, and Data from Genome Analysis, no. 5, pp. 551–564.
 Prozorov, A.A., see Lotareva, O.V.
 Pshenichnov, M.R., see Tkachenko, A.G.
 Pusheva, M.A., Pitryuk, A.V., and Berestovskaya, Yu.Yu., Metabolic Peculiarities of the Extremely Alkaliphilic Sulfate-reducing Bacteria *Desulfonatronum lacustre* and *Desulfonatronovibrio hydrogenovorans*, no. 5, pp. 574–579.
 Pusheva, M.A., Pitryuk, A.V., and Netrusov, A.I., Inhibitory Analysis of the Energy Metabolism of the Extremely Haloalkaliphilic Homoacetic Bacterium *Natroniella acetigena*, no. 5, pp. 565–567.
 Pusheva, M.A., Pitryuk, A.V., Detkova, E.N., and Zavarzin, G.A., Bioenergetics of Acetogenesis in the Extremely Alkaliphilic Homoacetogenic Bacteria *Natroniella acetigena* and *Natronoincola histidinovorans*, no. 5, pp. 568–573.
 Puzyr', A.P., see Volova, T.G.
- Rogova, T.A., see Konnova, S.A.
 Roi, A.A., see Kurdish, I.K.
 Rokitko, P.V., see Romanovskaya, V.A.
 Romanovskaya, V.A., Rokitko, P.V., Malashenko, Yu.R., Krishtab, T.P., and Chernaya, N.A., Sensitivity of Soil Bacteria Isolated from the Alienated Zone around the Chernobyl Nuclear Power Plant to Various Stress Factors, no. 4, pp. 465–469.
 Romanovskaya, V.A., Rokitko, P.V., Malashenko, Yu.R., Krishtab, T.P., and Chernaya, N.A., Ultraviolet Irradiation of Soil Samples as a Model for Investigation of the Effect of Stress Factors on Bacterial Diversity in Soil Ecosystems, no. 4, pp. 470–474.
 Rozanova, E.P. and Ental'tseva, L.A., Distribution of Sulfate-reducing Bacteria in a Hot Water Supply System and the Origin of Hydrogen Sulfide in Water, no. 1, pp. 85–90.
- Rusanov, I.I., see Bonch-Osmolovskaya, E.A.
 Ryskov, A.P., see Filippova, S.N.
- Safonova, M.E., Astapovitch, N.I., and Buryako, I.A., Parameters of Growth and Extracellular Proteinase Production by *Lactobacillus plantarum* IM-9/138, no. 4, pp. 390–392.
 Salakhmetdinova, O.Ya., see Tkachenko, A.G.
 Salokhina, G.A., see Zalashko, M.V.
 Sapunova, L.I., Parakhnya, E.V., Kazakevich, I.O., and Lobanok, A.G., Biosynthesis and Some Properties of the Xylose (Glucose) Isomerases of *Streptomyces viridobrunneus* GI-97 and *Streptomyces* sp. 1 and 32, no. 3, pp. 270–275.
 Saralov, A.I., Chikin, S.M., Bannikova, O.M., and Solomenniy, A.P., Phosphate-accumulating Bacteria in the Wastewater of the Perm Industrial Center, no. 1, pp. 97–103.
 Saralov, A.I., Chikin, S.M., Bannikova, O.M., Kozlova, G.A., and Solomenniy, A.P., Distribution of Phosphate-accumulating Bacteria in Phosphorite-bearing Rocks and Surface and Ground Waters of the Ural Region, no. 3, pp. 352–361.
 Senyushkin, A.A., see Suzina, N.E.
 Serebrennikova, N.V., see Belimov, A.A.
 Serebryakova, L.T., Sheremet'eva, M.E., and Lindblad, P., Hydrogenase Activity of the Unicellular Cyanobacterium *Gloeocapsa alpicola* CALU 743 under Conditions of Nitrogen Starvation, no. 3, pp. 249–253.
 Severina, L.O., see Suzina, N.E.
 Shcherba, V.V., see Babitskaya, V.G.
 Sheremet'eva, M.E., see Serebryakova, L.T.
 Shevchenko, L.S., see Dimitrieva, G.Yu.
 Shmakova, A.A., see Belimov, A.A.
 Shorokhova, A.P., see Duda, V.I.
 Sibirnyi, A.A., see Ubiivovk, V.M.
 Siunova, T.V., see Ivanov, A.Yu.
 Skvortsov, I.M., see Konnova, S.A.
 Slobodkin, A.I., see Bonch-Osmolovskaya, E.A.
 Slobodkin, A.I., Zavarzina, D.G., Sokolova, T.G., and Bonch-Osmolovskaya, E.A., Dissimilatory Reduction of Inorganic Electron Acceptors by Thermophilic Anaerobic Prokaryotes, no. 5, pp. 522–542.
 Smith, M.T., see Naumov, G.I.
 Soboleva, E.F., see Karpunina, L.V.
 Sokol'chik, T.I., Leont'ev, V.N., and Grits, N.V., Activity of Oxidoreductases and Content of Cytochromes b_5 and $P-450$ in Pseudomonads as Dependent on the Structure of C_6 Growth Substrate, no. 3, pp. 254–257.
 Sokolova, T.G., see Bonch-Osmolovskaya, E.A.
 Sokolova, T.G., see Slobodkin, A.I.
 Solomenniy, A.P., see Saralov, A.I.
 Solov'eva, N.L., see Galanina, L.A.
 Solovova, G.K., Kalaptur, O.V., and Chumakov, M.I., Analysis of the Attachment of Agrobacteria to Wheat and Rice Roots, no. 1, pp. 63–68.
 Somova, N.G., see Kurakov, A.V.
 Sorokin, D.Yu., Vedenina, I.Ya., and Grabovich, M.Yu., Influence of Sulfite on Acetate Metabolism in *Sulfito-*

- bacter pontiacus* Growing in Continuous Culture, no. 1, pp. 14–20.
- Spirina, E.V.**, see Erokhina, L.G.
- Stabnikova, E.V.**, see Ivanov, V.N.
- Stasishina, G.N.[†], Mogil'naya, O.A., Volova, T.G., Guseinov, O.A., Kalacheva, G.S., Medvedeva, S.E., Plotnikov, V.F., and Frank, L.A.**, Investigation of Culture Heterogeneity of the Hydrogen-oxidizing Bacterium *Alcaligenes eutrophus*, no. 2, pp. 164–170.
- Stepanok, V.V.**, see Belimov, A.A.
- Stoyanova, L.G. and Egorov, N.S.**, Comparative Characterization of Novel Strains of *Lactococcus lactis* subsp. *lactis* Obtained by the Protoplast Fusion Technique, no. 2, pp. 197–202.
- Sukhanov, S.N. and Mendzhul, M.I.**, Virus-directed Formation of a Polymerase Complex in a Cyanophage–Cyanobacterium System, no. 2, pp. 179–182.
- Sukhodolets, V.V.**, see Lysenko, A.M.
- Surovtseva, E.G., Ivoilov, V.S., and Belyaev, S.S.**, Physiological and Biochemical Properties of *Beijerinckia mobilis* 1f Phn⁺ Capable of Degrading Polycyclic Aromatic Hydrocarbons, no. 6, pp. 746–750.
- Suvorova, E.S.**, see Naumov, A.V.
- Suzina, N.E.**, see Duda, V.I.
- Suzina, N.E.**, see Kalyuzhnaya, M.G.
- Suzina, N.E.**, see Kozlova, E.V.
- Suzina, N.E., Severina, L.O., Senyushkin, A.A., Kara-vaiko, G.I., and Duda, V.I.**, Ultrastructural Organization of Membrane System in *Sulfobacillus thermosulfidooxidans*, no. 4, pp. 429–436.
- Tarakanov, B.V. and Lavlinskii, D.Yu.**, Activity of the Cellulase Complex Enzymes and Xylanase in Bacteria of the Genus *Ruminococcus*, no. 3, pp. 265–269.
- Telegus, Ya.V.**, see Ubiivovk, V.M.
- Tereshina, V.M.**, see Feofilova, E.P.
- Tkachenko, A.G., Pshenichnov, M.R., Salakhethdinova, O.Ya., and Nesterova, L.Yu.**, The Role of Putrescine and the Cellular Energy State of *Escherichia coli* in Regulation of DNA Topology during Adaptation to Oxidative Stress, no. 1, pp. 21–25.
- Tourova, T.P., Garnova, E.S., and Zhilina, T.N.**, Phylogenetic Diversity of Alkaliphilic Anaerobic Saccharolytic Bacteria Isolated from Soda Lakes, no. 5, pp. 615–622.
- Tourova, T.P., Omel'chenko, M.V., Fegeding, K.V., and Vasil'eva, L.V.**, The Phylogenetic Position of *Methylobacter psychrophilus* sp. nov, no. 4, pp. 493–495.
- Tourova, T.P.**, see Grigor'eva, N.V.
- Tourova, T.P.**, see Zhilina, T.N.
- Trotsenko, Yu.A.**, see Kalyuzhnaya, M.G.
- Trotsenko, Yu.A.**, see Korotkova, N.A.
- Trusova, M.Yu.**, see Volova, T.G.
- Trutko, S.M.**, see Lysak, E.I.
- Tsygankov, A.A.**, see Fedorov, A.S.
- Tulokhonov, I.I.**, see Denisova, L. Ya.
- Turova, T.P.**, see Nazina, T.N.
- Tyul'kova, N.A.**, see Volova, T.G.
- Tyuveleva, E.E.**, see Dimitrieva, G. Yu.
- Ubiivovk, V.M., Telegus, Ya.V., and Sibirnyi, A.A.**, Isolation and Characterization of Glutathione-Deficient Mutants of the Methylophilic Yeast *Hansenula polymorpha*, no. 1, pp. 26–31.
- Ulakhovich, S.V.**, see Egorov, S. Yu.
- Vagabov, V.M.**, see Eroshin, V.K.
- Vasil'ev, V.A.**, see Filippova, S.N.
- Vasil'eva, L.V.**, see Tourova, T.P.
- Vedenina, I.Ya.**, see Sorokin, D. Yu.
- Vershinina, O.A.**, see Znamenskaya, L.V.
- Vershinina, V.I.**, see Znamenskaya, L.V.
- Vinokurova, N.G.**, see Kozlovskii, A.G.
- Vishnevetskaya, O.A.**, see Karpunina, L.V.
- Volova, T.G., Kalacheva, G.S., Trusova, M.Yu., Tyul'kova, N.A., and Puzyr', A.P.**, Intracellular Degradation of Poly- β -Hydroxybutyrate in the Hydrogen-oxidizing Bacterium *Alcaligenes eutrophus*, no. 1, pp. 52–57.
- Volova, T.G.**, see Stasishina, G.N.
- Voronina, N.A.**, see Nikolaev, Yu. A.
- Voronina, N.A.**, see Plakunov, V.K.
- Yudina, T.P.**, see Mazhul', M.M.
- Yudkin, L.V.**, see Belimov, A.A.
- Zaichikov, E.F.**, see Denisova, L. Ya.
- Zakharov, I.A.**, Academician Georgii Adamovich Nadson (1867–1939), no. 6, pp. 645–649.
- Zalashko, M.V., Salokhina, G.A., and Koroleva, I.F.**, Effect of Ferrous Ions on Lipid Peroxidation in Yeasts, no. 3, pp. 310–312.
- Zaripova, S.K.**, see Naumov, A.V.
- Zarubina, A.P.**, see Mazhul', M.M.
- Zav'yalova, L.A.**, see Feofilova, E.P.
- Zavarzin, G.A.**, Academician Sergey Nikolaevich Winogradsky (1856–1953), no. 6, pp. 634–640.
- Zavarzin, G.A.**, see Gerasimenko, L.M.
- Zavarzin, G.A.**, see Kevbrin, V.V.
- Zavarzin, G.A.**, see Pusheva, M.A.
- Zavarzin, G.A., Zhilina, T.N., and Kevbrin, V.V.**, The Alkaliphilic Microbial Community and Its Functional Diversity, no. 5, pp. 503–521.
- Zavarzin, G.A.**, Academician Aleksandr Aleksandrovich Imshenetskii (1905–1992), no. 6, pp. 666–673.
- Zavarzina, D.G.**, see Bonch-Osmolovskaya, E.A.
- Zavarzina, D.G.**, see Gorlenko, V.M.
- Zavarzina, D.G.**, see Slobodkin, A.I.
- Zavil'gel'skii, G.B.**, see Mazhul', M.M.
- Zdorovenko, E.L.**, see Zdorovenko, G.M.
- Zdorovenko, G.M., Gvosdyak, R.I., Gubanova, N.Ya., Afonina, G.B., and Zdorovenko, E.L.**, Characterization of the Lipopolysaccharide from a *Pseudomonas fluorescens* Biovar I Strain, no. 3, pp. 281–289.
- Zhelifonova, V.P.**, see Kozlovskii, A.G.
- Zhilina, T.N.**, see Gorlenko, V.M.

- Zhilina, T.N., see Kevbrin, V.V.
 Zhilina, T.N., see Namsaraev, B.B.
 Zhilina, T.N., see Tourova, T.P.
 Zhilina, T.N., see Zavarzin, G.A.
 Zhilina, T.N., Tourova, T.P., Kuznetsov, B.B., Kostrikina, N.A., and Lysenko, A.M., *Orenia sivashensis* sp. nov., a New Moderately Halophilic Anaerobic Bacterium from Lake Sivash Lagoons, no. 4, pp. 452-459.
 Zhmur, S.I., Gorlenko, V.M., and Gerasimenko, L.M., Comparative Morphology of Modern and Ancient Terrestrial Bacteria and Microfossils from Carbonaceous Meteorites, no. 6, pp. 739-745.
 Znamenskaya, L.V., Vershinina, O.A., Vershinina, V.I., and Leshchinskaya, I.B., Expression of Guanyl-Specific Ribonuclease Genes of *Bacillus intermedius* and *Bacillus pumilus* Is Regulated by the PhoP-PhoB Two-Component Signal-Transduction System of the PHO Regulon in Recombinant *Bacillus subtilis* Strains, no. 3, pp. 258-264.
 Zvyagintsev, D.G. and Chernov, I.Yu., Academician Evgenii Nikolaevich Mishustin (1901-1991), no. 6, pp. 684-690.
 Zvyagintsev, D.G., Corresponding Member Nikolai Aleksandrovich Krasil'nikov (1896-1973), no. 6, pp. 691-695.
 Zvyagintsev, D.G., see Kalinina, K.V.
 Zvyagintsev, D.G., see Orazova, M.Kh.
 Zvyagintseva, I.S., Bykova, S.A., and Gal'chenko, V.F., Taxonomic Structure of Haloarchaea Based on the Results of Gel Electrophoresis of Cell Proteins, no. 2, pp. 242-247.

Instructions to Authors 116

Biology of Prokaryotes, Joseph W. Lengeler, Gerhard Drets, and Hans G. Schlegel, Eds., Stuttgart: Thieme, 1999, 995 pp. ISBN 3-13-108411-1365 365

The Budapest Treaty: Code of Practice for IDAs 367

Aleksei Mikhailovich Bezborodov Has Turned 75 376

The Yeasts, a Taxonomic Study, Kurtzman, C.P. and Fell, J.W., Eds., Fourth Revised and Enlarged Edition, Amsterdam, Elsevier Science, 1998 496